

Curriculum Vitae

Jessica Torrente Langan, M.D.

Contact Information

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Citizenship:

(b) (6)

Education

1999-2003

Doctor of Medicine
University of Miami School of Medicine
Miami, Fl

1995-1998

Bachelor of Science
University of Miami
Coral Gables, Fl

Clinical Activities

2009- present

Medical Staff
GW Comprehensive Breast Center
Medical Faculty Associates/George Washington University Hospital,
Washington D.C.

- 2008-2009 Breast Imaging and Intervention Fellowship
George Washington University Hospital
Washington D.C.
- 2004- 2008 Diagnostic Radiology Residency
Vanderbilt University, Department of Radiology
Nashville, TN
- 2003-2004 Internal Medicine Internship
University of Miami/Jackson Memorial Hospital
Department of Internal Medicine
Miami, Fl

Academic Appointments

- 2013-present Associate Program Director, Diagnostic Radiology Residency
George Washington University Hospital
Washington DC
- 2009- Present Assistant Professor, Diagnostic Radiology
George Washington University Hospital
Washington DC

Honors

- 2011 Excellence in Residency Curriculum Advancement Award
Director, Radiology Mock Oral Boards
- 2009 Certificate of Merit for an Educational Exhibit
“Integration of Breast Specific Gamma Imaging in a Clinical Breast
Center: How I Use It” **Torrente J** , Rapelyea JA, Floerke AC et al.
Educational Exhibit RSNA
- 2003 Outstanding Medical Student in Radiology
University of Miami School of Medicine
- 1995-1998 General Honors in Science Program
University of Miami

Committees

- 2015-present National Mammography Quality and Standards Act (MQSA) Quality Assurance Advisory Committee of the Food and Drug Administration (FDA)
Washington DC
- 2013-present Clinical Competency Committee
Diagnostic Radiology Residency
George Washington University
- 2012-present Diagnostic Radiology Residency Selection Committee, George Washington University
- 2010-present Admissions Committee, The George Washington School of Medicine

Certifications and Licensure

- 2008 Diplomat, American Board of Radiology
- 2012 District of Columbia

Professional Organizations

Society of Breast Imaging
District of Columbia Metropolitan Radiological Society
Radiological Society of North America
American College of Radiology

Fellows

Breast Imaging

(b) (6) 07/2009-06/2010
(b) (6) 07/2010-06/2011
(b) (6) 01/2011-07/2011
(b) (6) 07/2011-12/2011
(b) (6) 07/2011-06/2012
(b) (6) 07/2011-06/2012
(b) (6) 07/2012-06/2013
(b) (6) 07/2012-06/2013

(b) (6) 07/2013-06/2014
(b) (6) 07/2013-06/2014
(b) (6) 07/2013-06/2014
(b) (6) 07/2014-present
(b) (6) 07/2014-present

Publications

Book Chapters

Torrente J, Brem RF. Minimally-Invasive Image-Guided Biopsy and Ablation. In *Image-Guided Interventions, 2nd Ed.* Matthew Mauro (Ed). Philadelphia, PA: Elsevier, 2014: 1152-1160.

Torrente J, Yingling A, Brem RF. Minimally invasive breast biopsy: the breast imager's perspective. In *Breast Cytohystology*. Joan Cangiarella (Ed). Cambridge: Cambridge University Press, 2013: 1-7.

Brem RF, Coffey CM, **Torrente J**, Rapelyea JA. Nuclear Medicine Imaging of the Breast: History, Clinical Application and Integration, and Future. In *Physics of Mammographic Imaging*. William R. Hendee (Ed). Taylor & Francis, 2012: 205-213.

Peer Reviewed Journals

Screening Breast Ultrasound: past, present and future. Brem RF, Lenihan MJ, Lieberman J, **Torrente J**. Am J Roentgenol 2015 Feb;204(2):234-40.

Assessing improvement in detection of breast cancer with three-dimensional automated breast ultrasound in women with dense breasts: The SOMOInsight Study. Brem RF, Tabar L, Duffy SW, Inciardi MF, Guingrich JA, Hashimoto BE, Lander MR, Lapidus, Peterson MK, Rapelyea JA, Roux S, Schilling KJ, Shah BA, **Torrente J**, Wynn RT, Miller DP. Radiology. Radiology. 2015 Mar;274(3):663-73.

“Breast-specific gamma imaging for the detection of breast cancer in dense versus nondense breasts.” Rechtman LR, Lenihan MJ, Lieberman JH, Teal CB, **Torrente J**, Rapelyea JA, Brem RF. AJR Am J Roentgenol. 2014 Feb;202(2):293-8.

“Breast specific gamma imaging influences surgical management in patients with breast cancer.” Edwards C, Williams S, McSwain AP, Damle S, Rapelyea JA, Downs K, **Torrente J**, Sambamurty A, Brem RF, Teal CB. Breast J. 2013 Sep-Oct;19(5):512-9.

“Breast-specific gamma imaging in the detection of atypical ductal hyperplasia and lobular neoplasia” Ling CM, Coffey CM, Rapelyea JA, **Torrente J**, Teal CB, McSwain AP, Brem RF. *Acad Radiol*. 2012 Jun;19(6):661-6.

“Full-field digital mammographic interpretation with prior analog versus prior digitized analog mammography: time for interpretation” Garg AS, Rapelyea JA, Rechtman LR, **Torrente J**, Bittner RB, Coffey CM, Brem RF. *American Journal of Roentgenology*. 2011 Jun 196(6):1436-8.

“Breast-specific gamma imaging as an adjunct modality for the diagnosis of invasive breast cancer with correlation to tumour size and grade” Tadwalkar RV, Rapelyea JA, **Torrente J**, Rechtman L, Teal CB, McSwain AP, Donnelly C, Kidwell AB, Coffey CM, Brem RF. *The British Journal of Radiology*. 2011

“Factors Associated with re-excision in patients with early-stage breast cancer treated with breast-conservation therapy” Sanchez C, Brem RF, McSwain A, Rapelyea JA, **Torrente J**, Teal CB. *American Journal of Surgery* 2010 June; 17 (6): 735-43.

“Detection of Occult Foci of Breast Cancer using Breast-Specific Gamma Imaging in Women with One Mammographic or Clinically Suspicious Breast Lesion” Brem RF, Shahan C, Rapleyea JA, Donnelly CA, Rechtman LR, Kidwell AB, Teal CB, McSwain A, **Torrente J**. *Academic Radiology*. 2010; 17 (6): 679-814

Invited Reviewer

“Specialty Imaging: Breast MRI: A Comprehensive Imaging Guide” Edited by Sughra Raza, Robyn L. Birdwell, Julie A. Ritner **Torrente J**. *JAMA* 2011;305(7):719

“Breast Cancer: The Art and Science of Early Detection With Mammography: Perception, Interpretation, Histopathologic Correlation” Edited by László Tabár, Tobir Tot, and Peter B. Dean **Torrente J**, Brem RF. *JAMA*. 2008;300(15): 1822.

Presentations, Posters, and Abstracts

Formal Presentations Meetings

University of Florida
20th Annual Multidisciplinary Symposium on Breast Disease,

February 2015
Presenter
Amelia Island, Florida

“Sensitivity of Breast-specific Gamma Imaging for the Detection of Ductal Carcinoma In-situ” **Torrente J**, Brem RF, Rapelyea JA et al.
Presenter, Molecular Breast Imaging RSNA 2009

“Low-dose PET/CT versus Full-Dose Diagnostic CT in the management of Pediatric Patients with Lymphoma” **Torrente J**, Delbeke D, Spottswood S, Seekins J.
Presenter, Clinical Pediatrics Section
Society of Nuclear Medicine Annual Meeting 2007
Washington D.C.

Posters/Educational Exhibits

National Meetings

Breast cancer in danger zones: Pearls and Pitfalls
Yingling, A, Torrente, J Electronic Exhibit ARRS 2012
Washington DC

“Comparison of Breast-Specific Gamma Imaging (BSGI) and Breast Magnetic Resonance Imaging (MRI): A Spectrum of Findings in Both Benign and Malignant Lesions” **Torrente J**, Brem RF, Rapelyea JA, Parghi CR.
Scientific Poster RSNA 2010

“Breast-Specific Gamma Imaging (BSGI) Compared to Mammography and Ultrasound in Patients Undergoing Diagnostic Breast Examinations” Rapelyea JA, **Torrente J**, Brem RF, Yingling A.
Scientific Poster RSNA 2010

Invasive Breast Cancer: Spectrum of Appearances with Breast-Specific Gamma Imaging (BSGI) **Torrente J**, Yingling A, Rapelyea JA, RF Brem.
Scientific Poster RSNA 2010

“Integration of Breast Specific Gamma Imaging in a Clinical Breast Center: How I Use It” **Torrente J**, Rapelyea JA, Floerke AC et al.
Educational Exhibit RSNA 2009

University-Sponsored Research Events

“Focal Uptake Pattern of 99m-technetium sestamibi in Benign Versus Cancerous Lesions on One Minute and Final Breast-Specific Imaging Scans” Pandya P, Brem RF, Rapelyea JA, **Torrente J**.
George Washington University Medical Center Annual Research Day,
March 2010

“Use of BSGI in women with one breast cancer focus to detect additional occult cancerous lesions” Glick C, Brem RF, Rapelyea JA, **Torrente J**.
George Washington University Medical Center Annual Research Day,
March 2010

“Clinical Utility of Breast-Specific Gamma Imaging in Patients Receiving Neoadjuvant Chemotherapy: An Institutional Review” Damle S, Brem RF, Rapelyea JA, **Torrente J**, Tatarian T, Teal C.
George Washington University Medical Center Annual Research Day,
March 2010

“Low-dose PET/CT versus Full-Dose Diagnostic CT in the management of Pediatric Patients with Lymphoma” **Torrente J**, Delbeke D, Spottswood S, Seekins J.
Presenter, Vanderbilt University Department of Radiology Resident Research Forum 2006
Nashville, TN

Abstracts

“Tumoricidal effects of SM-153 EDTMP as measured by PSA levels” Kuker RA, Fernandez G, Correa J, **Torrente J**, Serefini A: Volume 1, page 50.
Annual Zubrod Memorial Poster Session/ Abstract Booklet 2002

Invited Presentations

Breast Cancer Screening: Who, When and How
Presenter, Grand Rounds, March 2010
Winchester Medical Center, Winchester, VA

Breast Cancer Screening: Who, When and How; Breast-Specific Gamma Imaging and Breast Cancer Detection; MRI Appearance of In-Situ and Invasive Breast Cancer; Minimally Invasive Breast Biopsy; Breast Ultrasound: Role in Breast Cancer Detection.
Tennessee Radiologic Society Annual Meeting, March 2010
Nashville, TN

Mammographic Screening in Patients with Dense Breasts
Presented as Grand Rounds (OB-GYN), February 2010
George Washington University Hospital

Courses

Breast Imaging and Intervention Update in the Capitol, May 2014
Presenter
Washington DC

Second US/Israel Breast Imaging Update, Sheba Medical Center, Tel Aviv, Israel
July 2011
Presenter
Tel Aviv, Israel

Breast Imaging and Intervention Update in the Capitol, April 2011
Presenter
Washington DC

Breast Imaging and Intervention Update in the Capitol, April 2010
Presenter
Washington DC

Research

ABUS (Automated Whole breast Ultrasound) FDA Reader Study
Clinical interpretation and evaluation of ABUS images with proprietary software
collected in effort to gain FDA product approval
Qview Medical
February and March 2015

Digital Breast Tomosynthesis FDA Reader Study
Clinical read and evaluation of 350 full field digital mammography and breast
tomosynthesis image sets collected in effort to gain FDA product approval.
Siemens Medical Solutions, USA
October and November 2014
Miami, FL

Characterization of Breast Motion at Multiple DBT Compression Levels Using
Ultrasound Speckle-tracking Techniques
Principle Investigator
Institutional IRB submitted and pending review

A Prospective Multi-center Case Collection Study of Breast Imaging Examinations From Women With Mammographically-detected Lesion(s) to Evaluate the Non-inferiority of Digital Mammography (XRM) and Quantitative Transmission Ultrasound (QTUS) Together Compared to XRM and Hand Held Ultrasound (HHUS) Together in the Evaluation of Lesion(s) Detected With Diagnostic Mammography.

Sub-Investigator

07/2014-present

Identification of breast cancer using advanced ultrasound imaging methods (Elastography)

Principle Investigator

01/2013- present

A Clinical Study to Evaluate Sonography and Digital Mammography Together as a Breast Cancer Screening Method, Compared to Digital Mammography Alone, in Women with Dense Breasts.

Sub-investigator, 2008- 2012

Media Presentations

Live Interview, FOX News, Screening mammogram/ Mobile Mammography Program at George Washington University, Washington DC, November 2013

Live Interview, FOX News, Screening Mammography Controversy and Recommendations, Washington DC, December 2010

References: Provided upon request.